



"transaction log" and replicate

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### Coordinator log transaction execution protocol

JW Stamos, F Cristian - Distributed and Parallel Databases, 1993 - springerlink.com

... The last log record ever generated by a server for a transaction may be a commit log record, an end-**transaction log** record, a data manipulation log record such ...

Cited by 26 - [Web Search](#) - [cs.ucsd.edu](#) - [portal.acm.org](#) - [all 5 versions](#) » - [Library Search](#)

### ... method of studying user-system interaction by combining **transaction log** analysis and protocol ...

JR Griffiths, RJ Hartley, JP Willson - Information Research, 2002 - informationr.net

... System factors, which impede the collection of **transaction log** data, are divided by ... displays will impact on the researcher's ability to **replicate** searches, and ...

Cited by 5 - [Cached](#) - [Web Search](#)

### Gold Rush: Mobile Transaction Middleware with Java-Object Replication

MA Butrico, H Chang, A Cocchi, NH Cohen, DG Shea, ... - COOTS, 1997 - unix.org

... Therefore, we **replicate** enterprise data from the database server on mobile client ... is created and the information is stored in the **transaction log** for future ...

Cited by 11 - [Web Search](#) - [unix.org](#) - [research.ibm.com](#) - [researchweb.watson.ibm.com](#) - [all 5 versions](#) »

### Data Replication in a Distributed Heterogeneous Database Environment: An Open System Approach

Y Wang, J Chiao, S Inc - Computers and Communications, 1994. IEEE 13th Annual ..., 1994 - ieexplore.ieee.org

... **replicate** sites. It supports continuous updates of **replicate** copies from the **transaction log** of the primary database. This idea ...

Cited by 1 - [Web Search](#) - [ieexplore.ieee.org](#)

### Clusters and high availability

J Bottomley, SE Technology - Presentation, January, 2002 - licensing.steeleye.com

... unviably expensive for synchronous replication Must **replicate** asynchronously to avoid latency ... **Transaction Log** Keep an ordered local log of all data blocks ...

Cited by 1 - [View as HTML](#) - [Web Search](#)

### Software Strategies for On-Site Calibration Nicholas Mason Fluke Corporation

WA Everett - fluke.com

... MET/REMOTE replication is based on the **transaction log**, enabling it to **replicate** only changes to data, rather than all data, in each update. ...

[View as HTML](#) - [Web Search](#) - [fluke.co.uk](#)

### Transaction Based Dynamic Partial Replication in Mobile Environments

M Tu, P Li, IL Yen - Proceeding s in IPDPS, 2004 - ieexplore.ieee.org

... We propose a data placement algorithm to dynamically **replicate** data objects, based on ... Consider a time period T. P BC maintains a **transaction log** L BC and P MC ...

Cited by 1 - [Web Search](#) - [doi.ieeecomputersociety.org](#) - [chinagrid.edu.cn](#) - [utdallas.edu](#) - [all 5 versions](#) »

### Installation Planning Guide

R Toolkit - [download.sybase.com](http://download.sybase.com)

... changes to the primary data from the primary database to the **replicate** database ...

transaction logs, you must generate a primary data source **transaction log** or its ...

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### Implementing Orthogonal Persistence: A Simple Optimization Using Replicating Collection

S Nettles, J O'Toole - Object Orientation in Operating Systems, 1993., Proceedings ..., 1993 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... This method enables our system to **replicate** objects but bring the replicas ... replicating garbage collection is extended to create **transaction log** entries when ...

[Web Search](#) - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

### Parallel Query Processing in Shared Disk Database Systems

E Rahm - SIGMOD Record, 1993 - [portal.acm.org](http://portal.acm.org)

... joins (non-equi joins) between two relations is to dynamically **replicate** the smaller ...

now be performed at multiple nodes so that a **transaction's log** data are ...

[Cited by 15](#) - [Web Search](#) - [dbs.uni-leipzig.de](http://dbs.uni-leipzig.de) - [sigmod.org](http://sigmod.org) - [all 9 versions »](#) - [Library Search](#)

### Portable Faultloads Based on Operator Faults for DBMS Dependability Benchmarking

M Vieira, H Madeira - Proceedings of the 28th Annual International Computer ..., 2004 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... Incorrectly **replicate** tables Incorrectly **replicate** tables Incorrectly **replicate**

tables ... Inexistence of archive logs Inexistence of **transaction log** dumps Delete ...

[Web Search](#) - [doi.ieeecomputersociety.org](http://doi.ieeecomputersociety.org) - [rachel.utdallas.edu](http://rachel.utdallas.edu) - [portal.acm.org](http://portal.acm.org) - [all 6 versions »](#)

### Configuring and Tuning Archival Storage Systems

R Moore, J Lopez, C Lofton, W Schroeder, G ... - DIG PAP IEEE SYMP MASS STORAGE SYST. pp. 158-168.

1999, 1999 - [ieeexplore.ieee.org](http://ieeexplore.ieee.org)

... To ensure that user information about files stored within the archive is never

lost, multiple mechanisms are used to **replicate** and back up file meta-data. ...

[Cited by 5](#) - [Web Search](#) - [storageconference.org](http://storageconference.org) - [sdsc.edu](http://sdsc.edu) - [csa.com](http://csa.com) - [all 5 versions »](#)

### [PS] Implementing Distributed Data Structures Using a Shared-Disk Parallel Database

Approach (Qualifying ...

N Treuhaft - [cs.berkeley.edu](http://cs.berkeley.edu)

... To prevent this problem, I will maintain a single, private **transaction log** per node

[15 ... to limit these random accesses in a cluster is to **replicate** every modied ...

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### Recovery management in QuickSilver

R Haskin, Y Malachi, G Chan - ACM Transactions on Computer Systems, 1988 - [portal.acm.org](http://portal.acm.org)

... Examples of systems that use replication are Locus [29], which replicates the file

system; ISIS [5] and Eden [30], which **replicate** storage objects; and Circus ...

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### Costs, Culture, and Complexity: An Analysis of Technology Enhancements in a Large Lecture Course at ...

D Harley, J Henke, S Lawrence, F McMartin, M Maher ... - Center for Studies in Higher Education, University of ..., 2003 - [cshe.berkeley.edu](http://cshe.berkeley.edu)

... available to all students, and we were unable to **replicate** a similar ... Survey responses

and **transaction log** analysis showed that the course website in general ...

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### Heterogeneous Data Replication

P Haase - BTW Studierenden-Programm, 2001 - [e-lib.informatik.uni-rostock.de](http://e-lib.informatik.uni-rostock.de)

... 2 Some architectures allow to **replicate** uncommitted data, eg DB2 DataPropagator ... the Capture program captures changed data by reading the DB2 **transaction log**. ...  
[Cited by 1](#) - [View as HTML](#) - [Web Search](#)

### Load Balancing of Autonomous Applications and Databases in a Cluster System

S Gancarski, H Naacke, P Valduriez - 4 thWorkshop on Distributed Data and Structure (WDAS), 2002 - [www-poleia.lip6.fr](#)

... are primarily used by the system administrator to place and **replicate** data in ... the absence of conflicts can be inferred from the **transaction log** or consistency ...  
[Cited by 7](#) - [View as HTML](#) - [Web Search](#) - [www-poleia.lip6.fr](#) - [ceria.dauphine.fr](#)

### ramie, I Sybase?

E DATA, MTO REPLICATION - [portal.acm.org](#)

... can act as a data server.) The LTM reads the SQL Server **transaction log** to look for ... Sv- base's answer is to **replicate** updates so that many data copies can be ...  
[Web Search](#)

### Survey Project: A study on distributed file-systems

S Sarkar, S Saha - [cs.ucsd.edu](#)

... Almost all distributed file-systems **replicate** and backup files to enhance reliability ...  
**Transaction Log** and Parallelism in I/O: XFS is designed to run well on ...  
[Web Search](#) - [cse.ucsd.edu](#)

### Definition of Faultloads Based on Operator Faults for DBMS Recovery Benchmarking

M Vieira, H Madeira - Proceedings of the 2002 Pacific Rim International Symposium ... - [ieeexplore.ieee.org](#)

... files Manage the online redo log Manage **transaction Log** Manage logical ... storage parameters; Incorrectly **replicate** tables Manage performance optimization objects ...  
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### The Dangers of Replication and a Solution

J Gray, P Helland, PE O'Neil, D Shasha - SIGMOD Conference, 1996 - stoev.org

... Abstract: Update anywhere-anytime-anyway **transactional replication** has unstable behavior as the workload scales up: a ten-fold increase in nodes and traffic ...

Cited by 445 - [View as HTML](#) - [Web Search](#) - [research.microsoft.com](#) - [ida.his.se](#) - [www-db.in.tum.de](#) - [all 33 versions](#) »

### [PS] Scalable non-transactional replication in the Internet

R Govindan, H Yu, D Estrin - submitted for publication - isi.edu

Scalable Non-**Transactional Replication** in the Internet ... A key characteristic of these database is a tolerance for convergent, non-**transactional replication** . ...

Cited by 3 - [View as HTML](#) - [Web Search](#) - [netweb.usc.edu](#) - [lecs.cs.ucla.edu](#) - [ftp3.ru.freebsd.org](#) - [all 5 versions](#) »

### Data Replication in Mariposa

J Sidell, PM Aoki, A Sah, C Staelin, M Stonebraker ... - ICDE, 1996 - doi.ieeecs.org

Page 1. Data Replication in Mariposa Jeff Sidell, Paul M. Aoki, Adam Sah,

Carl Staelin tMichael Stonebraker and Andrew Vu \$ Department ...

Cited by 42 - [Web Search](#) - [doi.ieeeecomputersociety.org](#) - [hedgehogs.softjoys.ru](#) - [db.cs.berkeley.edu](#) - [all 11 versions](#) »

### Epidemic quorums for managing replicated data

JA Holliday, R Steinke, D Agrawal, A El Abbadi - IEEE INT PERFORM COMPUT COMMUN CONF PROC. pp. 93-100. 2000, 2000 - ieeexplore.ieee.org

... the same message. 3 Epidemic **Transactional Replication** The Wu and Bernstein approach supports single operation semantics. That is ...

Cited by 24 - [Web Search](#) - [cse.scu.edu](#) - [cs.ucsb.edu](#) - [portal.acm.org](#) - [all 7 versions](#) »

### [PS] The Bengal Database Replication System

T Ekenstam, C Matheny, P Reiher, GJ Popek - Distributed and Parallel Databases, 2001 - lasr.cs.ucla.edu

... were identified. **Transactional Replication** - The current system replicates individual records. ... **Transactional replication** could be accomplished by deter

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### Design of Object Caching in a CORBA OTM System

T Sandholm, S Tai, D Slama, E Walshe - CAiSE, 1999 - springerlink.com

... Third, we develop the software architectural connector "Object Caching with **Transactional Replication**" capturing interfaces and interoperation patterns of ...

Cited by 4 - [Web Search](#) - [pdc.kth.se](#) - [portal.acm.org](#) - [portal.acm.org](#)

### Fault tolerance in three-tier applications: Focusing on the database tier

A Vaysburd - Symposium on Reliable Distributed Systems, 1999 - ieeexplore.ieee.org

... With **Transactional Replication**, committed changes made at the primary database are continuously or periodically sent to subscribing replicas, where they are ...

Cited by 4 - [Web Search](#) - [doi.ieeeecomputersociety.org](#) - [doi.ieeecs.org](#) - [portal.acm.org](#) - [all 6 versions](#) »

### [PS] A Transactional Asynchronous Replication Scheme for Mobile Database Systems

D Zhiming, M Xiaofeng, W Shan - Journal of Computer Science and Technology, 2002 - idke.ruc.edu.cn

... Page 3. No.4 **Transactional Replication** for Mobile Database 391 ... In the Page

#### 5. No.4 Transactional Replication for Mobile Database 393

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#### Merge replication in Microsoft's SQL server 7.0

B Hammond - Proceedings of the 1999 ACM SIGMOD international conference ..., 1999 - [portal.acm.org](#)

... ABSTRACT SQL Server 7.0 offers three different styles of replication that we call

**Transactional Replication**, Snapshot Replication, and Merge Replication. ...

Cited by 1 - [Web Search](#) - [portal.acm.org](#)

#### Heterogeneous Data Replication

P Haase - BTW Studierenden-Programm, 2001 - [e-lib.informatik.uni-rostock.de](#)

... the data set. **Transactional replication**: monitors changes to the publishing server at the transaction level. Only committed transactions ...

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#### [PS] Replikation in verteilten Datenbanken

H Hornung - 2003 - [informatik.tu-darmstadt.de](#)

... dates zugelassen sind. Ein Vorteil ist jedoch die hohe Un- abhangigkeit der Replikate. "

**Transactional Replication**" entspricht weitgehend den Re ...

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#### Transactional replication for typed objects: preliminary results of project BURDS

AA Heddaya, PS Ramamurthy, HS Sinha - 1991 - [cs-ftp.bu.edu](#)

Page 1. **Transactional Replication** for Typed Objects: Preliminary Results of Project

BURDS Abdelsalam Heddaya y Prakash S. Ramamurthy z Himanshu Sinha ...

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#### [PS] Replication in the Widely Distributed Internet Routing Registry

R Govindan - [isi.edu](#)

... Non-**transactional replication** ... Even though **transactional replication** is desirable for the Internet routing registry, we chose non- **transactional replication**. ...

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#### DRAGON: Database Replication based on Group Communication

PG Alonso, B Kemme - [inf.ethz.ch](#)

... distributed systems point of view, it will show how, given some "broadcast primitives", it is possible to design **transactional replication** (existing membership ...

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#### The Dangers of Replication and a Solution

P Helland - [portal.acm.org](#)

... Abstract: Update anywhere-anytime-anyway **transactional replication** has unstable behavior as the workload scales up: a ten-fold increase in nodes and traffic ...

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#### The Dangers of Replication and a Solution

D Shasha, P O'Neil, J Gray, P Helland - [research.microsoft.com](#)

... Update anywhere-anytime-anyway **transactional replication** has unstable behavior as the workload scales up: a ten-fold increase in nodes and traffic gives a ...

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#### Merge Replication in Microsoft's SQL Server 7.0

C Detection, P Data - [portal.acm.org](#)

... SQL Server 7.0 offers three different styles of replication that we call **Transactional Replication**, Snapshot Replication, and Merge Replication. ...

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**A security infrastructure for mobile transactional systems**

U Cetintemel, P Keleher, S Bhattacharjee - 2000 - [motefs.cs.umd.edu](http://motefs.cs.umd.edu)

... In this paper, we present an infrastructure for providing secure **transactional replication** support for peer-to-peer, decentralized databases. ...

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**The Bengal Database Replication System**

C MATHENY - Distributed and Parallel Databases, 2001 - [kluweronline.com](http://kluweronline.com)

Page 1. Distributed and Parallel Databases, 9, 187–210, 2001 c 2001 Kluwer

Academic Publishers. Manufactured in The Netherlands. ...

[Web Search](#) - [springerlink.com](http://springerlink.com) - [ingentaconnect.com](http://ingentaconnect.com)

**Efficient Monitoring and Querying of Distributed, Dynamic Data via Approximate Replication**

C Olston, J Widom - [www-2.cs.cmu.edu](http://www-2.cs.cmu.edu)

... A number of replication strategies have been proposed based on abandoning strict **transactional replication** protocols that guarantee one-copy serializability ...

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